



Mathematical Foundations of Computer Science, Revised and Updated, 1/e

G Shanker Rao

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About the Book

Mathematical Foundations of Computer Science explains the fundamental concepts in mathematics. It can be used by the students in computer science as an introduction to the underlying ideas of mathematics for computer science. It explains topics like mathematical logic, predicates, relations, functions, combinatorics, algebraic structures and graph theory. It would be useful for the students of B.Tech, BCA, & MCA.

Salient Features

Comprehensive discussion on logic, function, algebraic systems, recurrence relations and graph theory
Wide variety of exercises at all levels
Several worked out examples

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- ▶ Mathematical Logic
- ▶ Predicate Logic
- ▶ Set Theory
- ▶ Structures
- ▶ Elementary Combinatorics
- ▶ Recurrence Relations
- ▶ Graph Theory
- ▶ Graph Theory Applications

About the Author

G Shanker Rao :- G. Shanker Rao, Member of Staff, College of Engineering, Osmania University, Hyderabad G. Shanker Rao holds an M.Sc. degree in Mathematics. He has the experience of teaching mathematics to undergraduate and postgraduate students for more than 25 years.